IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:

Charles W.C. Lin

Title:

SUPPORT CIRCUIT WITH A TAPERED THROUGH-HOLE

FOR A SEMICONDUCTOR CHIP ASSEMBLY

Serial No.:

Unknown

Filed:

Herewith

Examiner:

Unknown

Group Art Unit:

Unknown

Atty. Docket No.:

P012-1

ASSISTANT COMMISSIONER FOR PATENTS

Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT

Pursuant to Applicant's duty of disclosure under 37 C.F.R. § 1.56 and §§ 1.97-1.98, Applicant hereby submits the enclosed Form PTO-1449.

Copies of documents cited on the enclosed Form PTO-1449 are not enclosed because they were previously cited by or submitted to the U.S. Patent Office in prior U.S. Application Serial No. 09/665,931 filed September 20, 2000. The above-identified application is a divisional of the prior application.

The filing of this Information Disclosure Statement shall not be construed as a representation that a search has been made, an admission that any of these documents, alone or in any combination, is considered to be material to patentability, an admission that any of these documents is prior art as to the above-identified application, or an admission against interest in any manner.

This Information Disclosure Statement is filed before the mailing date of a first Office Action. Accordingly, no fee is due.

Respectfully submitted,

David M. Sigmond Attorney for Applicant Reg. No. 34,013 (303) 554-8371 (303) 554-8667 (fax)

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	AA	4,955,523	09/1990	Calomagno et al.	228	179		
	AB	4,970,571	11/1990	Yamakawa et al.	357	71		
	AC	4,984,358	01/1991	Nelson	29	830		
-	AD	5,074,947	12/1991	Estes et al.	156	307.3		
	AE	5,106,461	04/1992	Volfson et al.	205	125		
	AF	5,116,463	05/1992	Lin et al.	156	653		
	AG	5,137,845	08/1992	Lochon et al.	437	183		
	АН	5,167,992	12/1992	Lin et al.	427	437		
·	AI	5,196,371	03/1993	Kulesza et al.	437	183		
	AJ	5,209,817	05/1993	Ahmad et al.	156	643		
	AK	5,237,130	08/1993	Kulesza et al.	174	260		
	AL	5,260,234	11/1993	Long	437	203		
	AM	5,261,593	11/1993	Casson et al.	228	180.22		
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	AQ	Elenius, "Che contractor si 73.	posing a Fli nould look f	p Chip Bumping Sur for," Advanced Pack	oplier - kaging, N	Technology March/April	an IC P	ackage p. 70-
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	AA	5,275,330	01/1994	Issacs et al.	228	180.2		
	AB	5,284,796	02/1994	Nakanishi et al.	437	183		
	AC	5,293,067	03/1994	Thompson et al.	257	668		-
	AD	5,327,010	07/1994	Uenaka et al.	257	679		
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	AA	5,536,973	07/1996	Yamaji	257	737	TI Hpp.	
	AB	5,542,601	08/1996	Fallon et al.	228	119	 	
	AC	5,547,740	08/1996	Higdon et al.	428	209		
	AD	5,556,810	09/1996	Fujitsu	437	209		
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	AF	5,564,181	10/1996	Dineen et al.	29	841		
	AG	5,572,069	11/1996	Schneider	257	690		
	АН	5,576,052	11/1996	Arledge et al.	427	98		
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	AK	5,599,744	02/1997	Koh et al.	437	195		
	AL	5,611,140	03/1997	Kulesza et al.	29	832		
	AM	5,611,884	03/1997	Bearinger et al.	156	325		
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*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing If Appr	Date copriate
	AA	5,613,296	03/1997	Kurino et al.	29	852		
	AB	5,614,114	03/1997	Owen	219	121.66		
	AC	5,615,477	04/1997	Sweitzer	29	840		
	AD	5,619,791	04/1997	Lambrecht Jr. et al.	29	852		
	AE	5,627,405	05/1997	Chillara	257	668		
	AF	5,627,406	05/1997	Pace	257	700		
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	AH	5,637,920	06/1997	Loo	257	700		
	AI	5,641,113	06/1997	Somaki et al.	228	180.22		
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	AM	5,654,584	08/1997	Fujitsu	257	666		
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	AA	5,656,858	08/1997	Kondo et al.	257	737	1	
	AB	5,663,598	09/1997	Lake et al.	257	737		
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	AD	5,666,008	09/1997	Tomita et al.	257	778	 	
	AE	5,669,545	09/1997	Pham et al.	228	1.1		
	AF	5,674,785	10/1997	Akram et al.	437	217	 	
	AG	5,674,787	10/1997	Zhao et al.	437	230		
	AH	5,682,061	10/1997	Khandros et al.	257	666	 	
	AI	5,691,041	11/1997	Frankeny et al.	428	209		
	AJ	5,722,162	03/1998	Chou et al.	29	852		
	AK	5,723,369	03/1998	Barber	438	106		
	AL	5,731,223	03/1998	Padmanabhan	437	183		
	AM	5,736,456	04/1998	Akram	438	614		
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	AA	5,739,585	04/1998	Akram et al.	257	698		
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	AC	5,757,071	05/1998	Bhansali	257	697		
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	AG	5,789,271	08/1998	Akram	438	18		
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	AM	5,808,360	09/1998	Akram	257	738		
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	AA	5,811,879	09/1998	Akram	257	723		
	AB	5,817,541	10/1998	Averkiou et al.	438	107		
	AC	5,822,856	10/1998	Bhatt et al.	29	832		
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	AH	5,883,435	03/1999	Geffken et al.	257	758		
	AI	5,925,931	07/1999	Yamamoto	257	737		
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	AL	6,013,877	01/2000	Degani et al.	174	264		
	AM	6,018,196	01/2000	Noddin	257	777		
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	AA	6,020,561	02/2000	Ishida et al.	174	261		
	AB	6,037,665	03/2000	Miyazaki	257	773		
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1		MATION DISC			Applica	.nt		
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	AA	4,442,967	04/1984	van de Pas et al.	228	159		
	AB	4,661,192	04/1987	McShane	156	292		
	AC	4,717,066	01/1988	Goldenberg et al.	228	179		
	AD	4,750,666	06/1988	Neugebauer et al.	228	160		
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	AO							
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